



PRODUCT IMAGE



PROJECT REFERENCE

PSH-4PUZZLE PARKING SYSTEMS

4-Level Puzzle Parking System

A four-tier semi-automated puzzle car park for commercial projects demanding high parking ratios. The Omron PLC manages platform sequencing across four levels with safety sensors confirming every position — quadrupling the capacity of the base footprint with fully independent vehicle access on demand.

KEY FEATURES

- 4-tier grid: quadruples parking capacity per footprint
- 100% independent access: retrieve any car at any time without shuffling neighbours
- Omron PLC with optimised 4-level shuffle algorithm
- Safety sensors at all platform positions and entry gates
- Motor + steel rope — oil-free, low-maintenance throughout
- Modular construction: scale from 8 to 80+ bays on the same platform
- Over height, over lenght, over width detection
- CE certified; preferred for commercial parking operators and mixed-use developments

TECHNICAL SPECIFICATIONS

Levels	4
Access	100% Independent
Capacity	4× base footprint
Drive System	Electric Motor + Steel Rope
Control System	Omron PLC
Position Sensors	Over length, over height, over width
Bay Expansion	Modular
Vehicle Retrieval Time	90–120 seconds
Safety	Wire Rope Loose Detection
Control Voltage	24V DC
Power Supply	3-phase 380V AC
Certification	CE Marked

DIMENSION DRAWING

